

## OPINION 1415

*POLYGNATHUS BILINEATUS* ROUNDY, 1926 DESIGNATED AS  
TYPE SPECIES OF *GNATHODUS* PANDER, 1856 (CONODONTA)

RULING.—(1) Under the plenary powers all type designations for the nominal genus *Gnathodus* Pander 1856 are set aside and *Polygnathus bilineatus* Roundy, 1926 is designated as type.

(2) The name *Gnathodus* Pander, 1856 (gender: masculine) type species by designation under the plenary powers in (1) above, *Polygnathus bilineatus* Roundy, 1926, is hereby placed on the Official List of Generic Names in Zoology.

(3) The name *bilineatus* Roundy, 1926, as published in the binomen *Polygnathus bilineatus* (specific name of the type species of *Gnathodus* Pander, 1856) is hereby placed on the Official List of Specific Names in Zoology.

## HISTORY OF THE CASE Z.N.(S.)2279

An application for the designation of *Gnathodus texanus* Roundy, 1926 as type species of *Gnathodus* Pander, 1856 was first received from Dr H. R. Lane (*Amoco Production Company, Tulsa, Oklahoma, U.S.A.*) and Dr W. Ziegler (*Geolog.-päläontologisches Institut, Marburg, BRD*) on 4 September 1978, and published in *Bull. zool. Nom.*, vol. 36, pp. 57–62 (July 1979). Public notice of the possible use of the plenary powers in the case was given in the same part of the *Bulletin* as well as to ten general and two specialist serials. Supportive comments were received from Dr F. H. T. Rhodes (*Cornell University, U.S.A.*), Dr G. K. Merrill (*College of Charleston, U.S.A.*) and Dr D. L. Clark (*University of Wisconsin, U.S.A.*) and published, with the names of other supporters, in *Bull. zool. Nom.*, vol. 36, pp. 201–202. Another supportive comment was received from Dr T. L. Thompson (*Missouri Department of Natural Resources, U.S.A.*) and published in vol. 37, p. 67. A counter comment was received from Dr H. Kozur (*Staatliche Museen Meiningens, DDR*) and published with comments from Lane & Ziegler, a reply from Kozur and a comment from Dr I. S. Barskov (*Palaeontological Institute, Moscow, U.S.S.R.*) in vol. 38, pp. 83–93. A further comment from Dr I. S. Barskov and Dr A. S. Alekseev was received and published with a reply from Lane & Ziegler in vol. 39, pp. 7–13.

An updated report on the case was published in vol. 41, pp. 205–207, in which it was proposed that, due to recent work by the original authors (Lane & Ziegler) published in *Senckenbergiana lethaea*, vol. 65, nos. 1–2, pp. 257–263, *Polygnathus bilineatus* Roundy, 1926 should be designated as type species of *Gnathodus* Pander, rather than *Gnathodus texanus* as was originally proposed. The ruling has been accordingly modified.

## DECISION OF THE COMMISSION

On 17 April 1986 the members of the Commission were invited to vote under the Three-Month Rule for or against the proposals set out in *Bull. zool. Nom.* vol. 36, p. 61, as modified in vol. 41, p. 207. At the close of the voting period on 17 July 1986 the state of the voting was:

Affirmative Votes—sixteen (16) received in the following order: Melville, Holthuis, Savage, Cocks, Kabata, Willink, Corliss, Schuster, Halvorsen, Hahn, Uéno, Thompson, Alvarado, Ride, Kraus, Cogger

Negative Votes—two (2): Mroczkowski, Starobogatov.

Dr Starobogatov remarked that he was in complete agreement with Professor Barskov's statements.

## ORIGINAL REFERENCES

The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:

*bilineatus*, *Polygnathus*, Roundy, 1926, *U.S. Geol. Surv. Prof. Paper*, no. 146, p. 13

*Gnathodus* Pander, 1856, *Monographie der fossilen Fische des Silurischen Systems der Russisch-Baltsichen Gouvernements*, p. 33.

## CERTIFICATE

I hereby certify that the votes cast on Voting Paper (1986) 17 were cast as set out above, that the proposals contained in that voting paper have been duly adopted under the plenary powers, and that the decision so taken, being the decision of the International Commission on Zoological Nomenclature, is truly recorded in the present Opinion No. 1415.

P. K. TUBBS

*Executive Secretary*

*International Commission on Zoological Nomenclature*

*London*

*18 July 1986*